

95-340072/44	D21 E32 G02 L01 (E12 G01)	JAPC 94.02.22	D(8-B) E(35-C) G(2-A3D) L(2-G4, 2-G12)
NIPPON SHOKUBAI CO LTD			
94.02.22 94JP-023989 (95.09.05) C01G 9/02, C09K 3/00			
Mfg. zinc oxide microparticles - by mixing, e.g., zinc oxide, and carboxylic gp.-contg. aliphatic acid, adding to alcohol-contg. cpd., etc.			simply and at low cost.
C95-149866			<u>EXAMPLE</u> 1.2 kg CH ₃ COOH is dissolved in a solvent mixt. of 2.0 kg methanol and 2.0 kg water, mixed with 1.08 kg Zn acetate, heated to 60° C, dipped into 12 kg benzyl alcohol at 150° C, and held at 200° C for 5 h to form ZnO microparticles (mean dia. = 40-90 nm). (14pp139DwgNo.0/0)(NA) (14ppDwgNo.0/0)
<p>Zn (cpd.) such as ZnO, Zn(OH)₂ and Zn(CH₃COO)₂, and carboxylic gp.-contg. cpd. such as aliphatic acid (b.pt. below 200° C) are mixed and added to alcohol-contg. cpd. at above 60° C pref. with the coexistence of a cpd. with carboxylic gp., amino gp., amide gp., imide gp., imide bond, ureide gp., uridine gp., isocyanate gp., urethane gp., urethane bond, ester bond, sulphonate gp., phosphate gp., OH gp., alkoxy gp., or epoxy gp., to form ZnO microparticles (mean dia. = 0.005-10 microns).</p> <p><u>USE</u> Used as UV absorber for paint, pigment, film, glass or cosmetics.</p> <p><u>ADVANTAGE</u> ZnO microparticles with various dias. and morphology are obtd.</p>			
			JP 07232919-A